Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/16/2017 10:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124984	-1	1.80	124876	1.75
Blue	F	SSC	125000	123943	-1	3.50	124382	3.41
Blue	E	FITC	23355	22687	-3	2.54	1013	10.08
Blue	D	PE	28848	28434	-2	2.03	1033	9.50
Blue	B	PerCP-Cy5-5	47791	47483	-1	3.45	1367	16.52
Blue	A	PE-Cy7	41358	40661	-2	5.17	629	34.65
Red	C	APC	51316	50344	-2	2.67	2909	9.08
Red	A	APC-Cy7	53225	51520	-4	2.67	1069	10.75
Violet	B	V450	14473	13721	-6	3.49	660	9.15
Violet	A	V500	59973	58650	-3	3.24	2616	6.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18864	3.74	602	4	N/A	N/A	Pass
Blue	F	SSC	61749	1.77	532	-2	N/A	N/A	Pass
Blue	E	FITC	113	41.37	538	-6	0.0225	371	Pass
Blue	D	PE	231	27.96	534	-4	0.1726	264	Pass
Blue	B	PerCP-Cy5-5	215	44.57	624	-6	0.0107	138	Pass
Blue	A	PE-Cy7	70	117.49	674	-7	0.0126	21	Pass
Red	C	APC	344	26.87	586	-8	0.0224	113	Pass
Red	A	APC-Cy7	118	39.25	565	-11	0.0062	1825	Pass
Violet	B	V450	80	42.57	475	4	0.0397	1643	Pass
Violet	A	V500	190	24.92	508	7	0.0127	662	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.07	-31.40	0.80
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	19.23	13.27 - 19.91	N/A	N/A	31.34	31.98	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9635

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments